ViewSonic®

PJD5150/PJD5250L
DLP Projector
User Guide

IMPORTANT: Please read this User Guide to obtain important information on installing and using your product in a safe manner, as well as registering your product for future service. Warranty information contained in this User Guide will describe your limited coverage from ViewSonic Corporation, which is also found on our web site at http://www.viewsonic.com in English, or in specific languages using the Regional selection box in the upper right corner of our website. “Antes de operar su equipo lea cu idadosamente las instrucciones en este manual”

Model No. VS15902/VS15905

Thank you for choosing ViewSonic

With over 25 years as a world leading provider of visual solutions, ViewSonic is dedicated to exceeding the world's expectations for technological evolution, innovation, and simplicity. At ViewSonic, we believe that our products have the potential to make a positive impact in the world, and we are confident that the ViewSonic product you have chosen will serve you well.

Once again, thank you for choosing ViewSonic !

ViewSonic®

Compliance Information

FCC Compliance Statement

This device complies with part 15 of FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Industry Canada Statement

CAN ICES-3 (B)/NMB-3(B)

CE Conformity for European Countries

CE The device complies with the EMC Directive 2004/108/EC and Low Voltage Directive 2006/95/EC.

Following information is only for EU-member states:
The mark is in compliance with the Waste Electrical and Electronic Equipment Directive 2012/19/EU (WEEE).
The mark indicates the requirement NOT to dispose the equipment including any spent or discarded batteries or accumulators as unsorted municipal waste, but use the return and collection systems available.
If the batteries, accumulators and button cells included with this equipment, display the chemical symbol Hg, Cd, or Pb, then it means that the battery has a heavy metal content of more than 0.0005% Mercury or more than, 0.002% Cadmium, or more than 0.004% Lead.

Declaration of RoHS2 Compliance

This product has been designed and manufactured in compliance with Directive 2011/65/EU of the European Parliament and the Council on restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS2 Directive) and is deemed to comply with the maximum concentration values issued by the European Technical Adaptation Committee (TAC) as shown below:

Substance	Proposed Maximum Concentration	Actual Concentration
Lead (Pb)	0.1%	< 0.1%
Mercury (Hg)	0.1%	< 0.1%
Cadmium (Cd)	0.01%	< 0.01%
Hexavalent Chromium (Cr^{6+})	0.1%	< 0.1%
Polybrominated biphenyls (PBB)	0.1%	< 0.1%
Polybrominated diphenyl ethers (PBDE)	0.1%	< 0.1%

Certain components of products as stated above are exempted under the Annex III of the RoHS2 Directives as noted below:

Examples of exempted components are:

1. Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp):
   (1) Short length (≦500 mm): maximum 3.5 mg per lamp.
   (2) Medium length (＞500 mm and ≦1,500 mm): maximum 5 mg per lamp.
   (3) Long length (＞1,500 mm): maximum 13 mg per lamp.
2. Lead in glass of cathode ray tubes.
3. Lead in glass of fluorescent tubes not exceeding 0.2% by weight.
4. Lead as an alloying element in aluminium containing up to 0.4% lead by weight.
5. Copper alloy containing up to 4% lead by weight.
6. Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead).
7. Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

Indian Restriction of Hazardous Substances

Restriction on Hazardous Substances statement (India) This product complies with the “India E-waste Rule 2011” and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers in concentrations exceeding 0.1 weight % and 0.01 weight % for cadmium, except for the exemptions set in Schedule 2 of the Rule.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this unit near water.
6. Clean with a soft, dry cloth.
7. Do not block any ventilation openings. Install the unit in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade and the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs. Convenience receptacles and the point where they exit from the unit. Be sure that the power outlet is located near the unit so that it is easily accessible.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the unit. When a cart is used, use caution when moving the cart/unit combination to avoid injury from tipping over.

13. Unplug this unit when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the unit has been damaged in any way, such as: if the power-supply cord or plug is damaged, if liquid is spilled onto or objects fall into the unit, if the unit is exposed to rain or moisture, or if the unit does not operate normally or has been dropped.

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Product Registration

To fulfill possible future product needs, and to receive additional product information as it becomes available, please visit your region section on ViewSonic's website to register your product online.
The ViewSonic CD also provides an opportunity for you to print the product registration form. Upon completion, please mail or fax to a respective ViewSonic office. To find your registration form, use the directory ":\CD\Registration".
Registering your product will best prepare you for future customer service needs.
Please print this user guide and fill the information in the "For Your Records" section.
For additional information, please see the "Customer Support" section in this guide.

For Your Records

Product Name:	PJD5150/PJD5250L ViewSonic DLP Projector
Model Number:	VS15902/VS15905
Document Number:	PJD5150/PJD5250L_UG_ENG Rev. 1A 03-16-15
Serial Number:	_____
Purchase Date:	_____

Product disposal at end of product life
The lamp in this product contains mercury which can be dangerous to you and the environment. Please use care and dispose of in accordance with local, state or federal laws.
ViewSonic respects the environment and is committed to working and living green.
Thank you for being part of Smarter, Greener Computing.
Please visit ViewSonic website to learn more.
USA & Canada: http://www.viewsonic.com/company/green/recycle-program/
Europe: http://www.viewsoniceurope.com/uk/support/recycling-information/
Taiwan: http://recycle.epa.gov.tw/recycle/index2.aspx

FCC notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, detectable by turning the equipment in question off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the distance between the equipment and the receiver
- Connect the equipment to an outlet on a different circuit than that which the receiver is connected to
- Or consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference that may cause undesired operation.

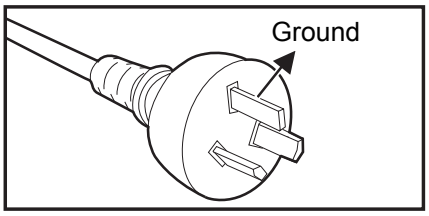
Safety instructions

Read all of these instructions before you operate your projector and save for future reference.

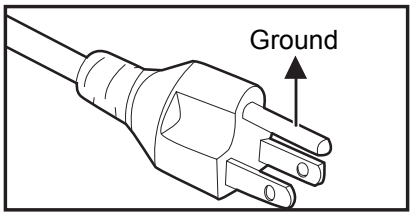
1. Read instructions
   All the safety and operating instructions should be read before the appliance is operated.
2. Notes and warnings
   All notes and warnings in the operating instructions should be adhered to.
3. Cleaning
   Unplug the projector from the wall socket before cleaning. Use a damp cloth for cleaning the projector housing. Do not use liquid or aerosol cleaners.
4. Accessories
   Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
   Keep the plastic packing materials (from the projector, accessories and optional parts) out of the reach of children as these bags may result in death by suffocation. Be particularly careful around the small children.
5. Ventilation
   The projector is equipped with ventilation holes (intake) and ventilation holes (exhaust).
   Do not block or place anything near these slots, or internal heat build-up may occur, causing picture degradation or damage to the projector.
6. Power sources
   Check that the operating voltage of your unit is identical with the voltage of your local power supply.
7. Servicing
   Do not attempt to service this projector yourself. Refer all servicing to qualified service personnel.
8. Replacement parts
   When replacement parts are required, be sure that the replacement parts are specified by the manufacture. Unauthorized substitutions may result in fire, electric shock or other hazards.
9. Moisture Condensation
   Never operate this projector immediately after moving it from a cold location to a warm one. When the projector is exposed to such a change in temperature, moisture may condense on the lens and the crucial internal parts. To prevent the unit from possible damage, do not use the projector for at least 2 hours when there is an extreme or sudden change in temperature.

Notes on the AC power cord

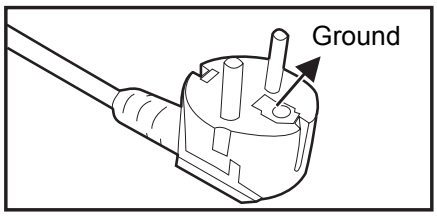
AC Power Cord must meet the requirement of countries where you use this projector. Please confirm your AC plug type with the graphics below and ensure that the proper AC Power Cord is used. If the supplied AC Power Cord does not match your AC outlet, please contact your sales dealer. This projector is equipped with a grounding type AC line plug. Please ensure that your outlet fits the plug. Do not defeat the safety purpose of this grounding type plug. We highly recommend using a video source device also equipped with a grounding type AC line plug to prevent signal interference due to voltage fluctuations.



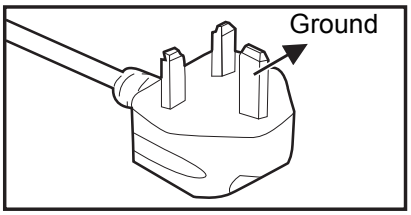
For Australia and Mainland China



For the U.S.A. and Canada



For Continental Europe



For the U.K.

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Introduction

Projector features

The projector integrates high-performance optical engine projection and a user - friendly design to deliver high reliability and ease of use.

The projector offers the following features:

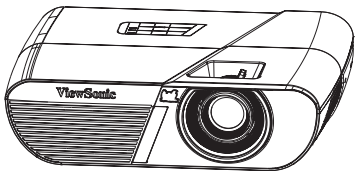
- Compatibility with Macintosh® computers
- Compatibility with NTSC, PAL, SECAM and HDTV
- D-Sub 15-pin terminal for analog video connectivity
- Multi-language On-Screen Display (OSD) menus
- Digital keystone correction to correct distorted images
- RS-232 connector for serial control
- Power saving function decreasing the power consumption of the lamp by up to 30% when no input signal can be detected for a set period of time.
- Presentation timer for better control of time during presentations
- Selectable quick power off function
- Color Management allowing color adjustments to your liking
- Screen Color correction allowing projection on surfaces of several predefined colors
- Quick auto search speeding up the signal detecting process

☞ ***Note***

- ***The information in this manual is subject to change without notices.***
- ***The reproduction, transfer or copy of all or any part of this document is not permitted without express written consent.***

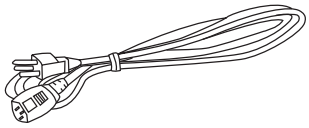
Package contents

When you unpack the projector, make sure you have all these components:

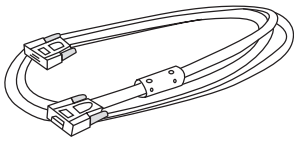


PJD5150/PJD5250L projector

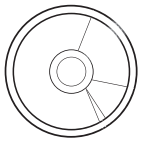
Remote control (IR) & batteries (AAA *2 PCS)



AC power cord



VGA cable (D-SUB to D-SUB)



ViewSonic CD wizard

Quick start guide

Optional accessories

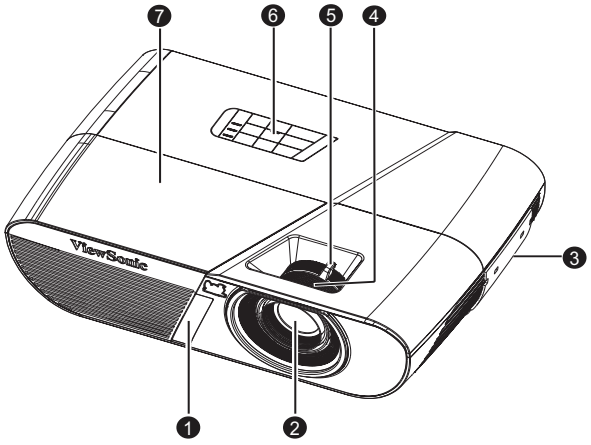
1. Cable management cover (rear cable cover)
2. Carry bag
3. Dust filter

☞ ***Note***

- ***Contact you dealer immediately if any items are missing, appear damaged, or if the unit does not work***.
- ***For maximum protection of the product, please save the original shipping carton and packing materials and repack your product as it was originally packed at the factory if you need to ship it.***

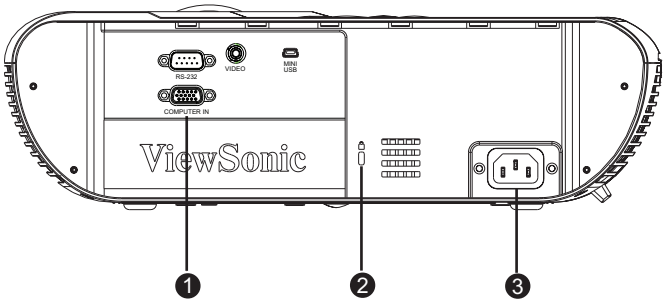
Projector overview

Front view



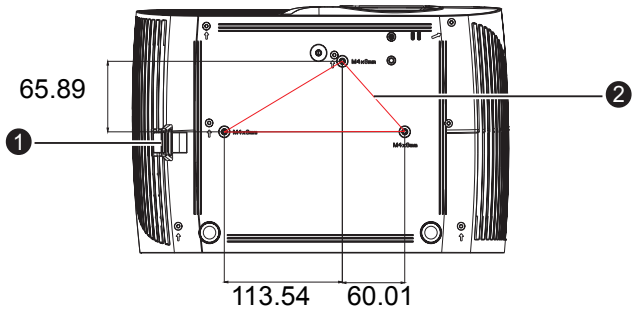
1. Front IR remote control sensor
2. Projection lens
3. Ventilation holes
4. Focus ring
5. Zoom ring
6. Control panel
7. Lamp cover

Rear View



1. Connection ports
2. Kensington lock
3. AC power socket

Bottom View



Ceiling mount screws:
M4 x 8 (Max. L = 8 mm)

Unit: mm

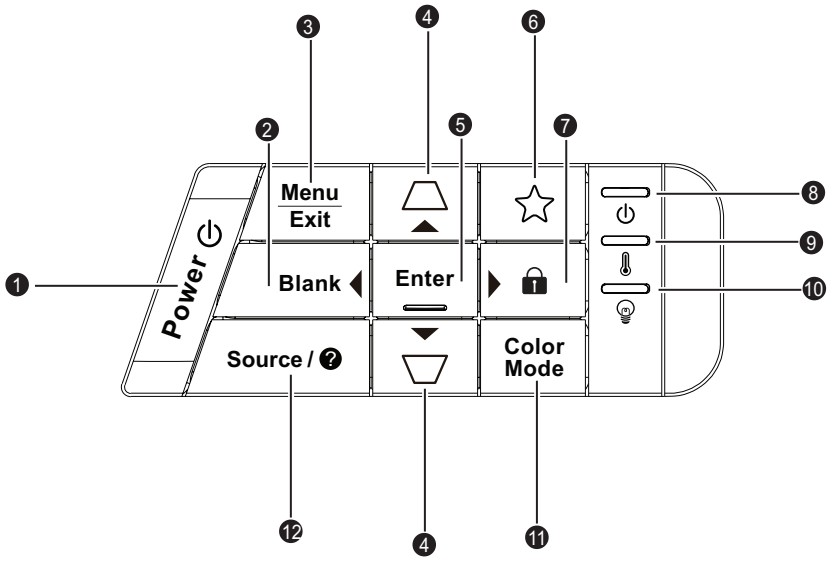
1. Security bar
2. Ceiling mount holes

☞ ***Note***

- ***This projector can be used with a ceiling mount for support. The ceiling mount is not included in the package.***
- ***Contact your dealer for information to mount the projector on a ceiling.***

Using the product

Control panel



1. **POWER**
   Turn the projector on or off.
2. **Blank/◀ Left key**
   Hide the screen picture.
3. **Menu/Exit**
   Menu: Display or exit the on-screen display menus.

   Exit: Goes back to previous OSD menu, exits and saves menu settings.
4. **Keystone/Arrow keys (▲ Up, ▼ Down)**
   Manually correct distorted images resulting from an angled projection.
5. **Enter**
   Enacts the selected On-Screen Display (OSD) menu item.
6. **(My Button)**
   User definable key for customized function.
7. **(Lock)/▶ Right key**
   Lock: Activates panel key lock or disable panel key lock by a long press for 3 seconds.

   Right key: When the On-Screen Display (OSD) menu is activated, #2 #4 and #7 keys are used as directional arrows to select the desired menu items and to make adjustments.
8. **(Power LED indicator)**
   Refer to “LED Indicator Messages”.
9. **(Temp LED indicator)**
   Refer to “LED Indicator Messages”.
10. **(Lamp LED indicator)**

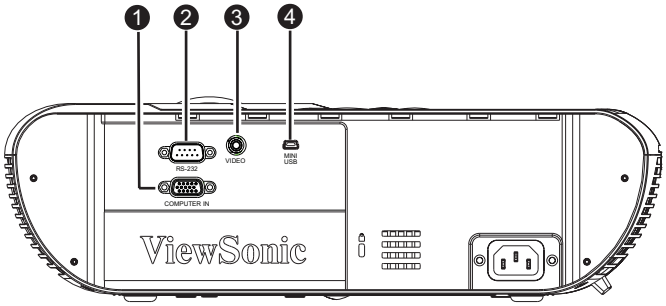
Refer to “LED Indicator Messages”.

11. **Color Mode**
    Select the picture setup mode.

12. **Source/ (Help)**
    Source: Display the source selection bar.

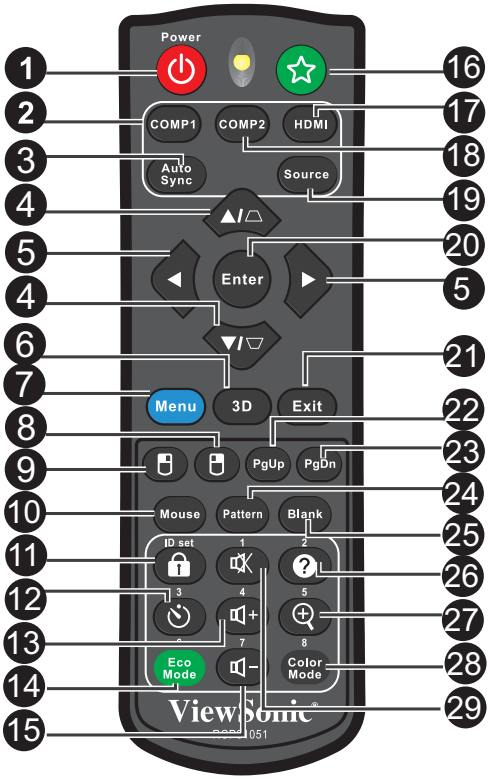
    Help: Display the HELP menu by a long press for 3 seconds.

Connection ports



1. **COMPUTER IN**
   Connect image input signal (analog RGB or component) to this jack.
2. **RS-232**
   When operating the projector via a computer, connect this to the controlling computer's RS-232C port.
3. **VIDEO**
   Connect composite video output from video equipment to this jack.
4. **MINI USB**
   This connector is for firmware update and mouse function support.

Remote control



1. ⏻**Power**
   Turn the projector on or off.
2. **COMP1**
   Display COMPUTER IN 1 signal.
3. **Auto Sync**
   Automatically determines the best picture timings for the displayed image.
4. ▱/▽ **(Keystone)**
   Manually correct distorted images resulting from an angled projection.
5. ▲ **(Up)**/▼ **(Down)**/◀ **(Left)**/▶ **(Right)**
   When the On-Screen Display (OSD) menu is activated, the #4 and #5 keys are used as directional arrows to select the desired menu items and to make adjustments.
6. **3D**
   Activates the 3D On-Screen Display (OSD) menu item.
7. **Menu**
   Display on-screen display menus.
8. **(Right mouse)**
   Perform the right button of the mouse when mouse mode is activated.
9. **(Left mouse)**
   Perform the left button of the mouse when mouse mode is activated.
10. **Mouse**

Switch between the normal and mouse modes.

11. **(Lock)/ID Set**
    Lock: Activates or disables panel key lock.

    ID Set: Sets remote control code.

12. **(Timer)**
    Activate P-Timer OSD menu.

13. **(+)**
    Not available for PJD5150/PJD5250L

14. **Eco Mode**
    Switch the lamp mode from Normal, Economic, Dynamic to Sleep.

15. **(-)**
    Not available for PJD5150/PJD5250L.

16. **(My Button)**
    User definable key for customized function.

17. **HDMI**
    Not available for PJD5150/PJD5250L.

18. **COMP2**
    Not available for PJD5150/PJD5250L.

19. **Source**
    Display the source selection bar.

20. **Enter**
    Enacts the selected On-Screen Display (OSD) menu item.

21. **Exit**
    Goes back to previous OSD menu, exits and saves menu settings.

22. **PgUp (Page Up)**
    Perform page up function when mouse mode is activated.

23. **PgDn (Page Down)**
    Perform page down function when mouse mode is activated.

24. **Pattern**
    Display embedded test pattern.

25. **Blank**
    Hide the screen picture.

26. **(Help)**
    Display the Help menu.

27. **(Magnify)**
    Displays the zoom bar that magnifies or reduces the projected picture size.

28. **Color Mode**
    Select the picture setup mode.

29. **(Mute)**
    Not available for PJD5150/PJD5250L.

Using the remote mouse control

The capability of operating your computer with the remote control gives you more flexibility when delivering presentations.

1. Connect the projector to your PC or notebook with a USB cable prior to using the remote control in place of your computer's mouse. See "Connection" on page 13 for details.
2. Set the input signal to **COMPUTER**.
3. Press Mouse on the remote control to switch from the normal mode to the mouse mode. An icon appears on the screen to indicate the activation of the mouse mode.
4. Perform the desired mouse controls on your remote control.
   - To move the cursor on the screen, press ▲/ ▼/ ◀/▶ .
   - To left-click, press .
   - To right-click, press .
   - To operate your display software program (on a connected PC) which responds to page up/down commands (like Microsoft PowerPoint), press **Page Up**/**Page Down**.
   - To return to the normal mode, press **Mouse** again or other keys except for the mouse related multi-function keys.

Remote control code

The projector can be assigned to 8 different remote control codes, 1 to 8. When several adjacent projectors are in operation at the same time, switching the remote control codes can prevent interference from other remote controls. Set the remote control code for the projector first before changing that for the remote control.

To switch the code for the projector, select from among 1 to 8 in the **SYSTEM SETTING**: **ADVANCED** > **Remote Control Code** menu.

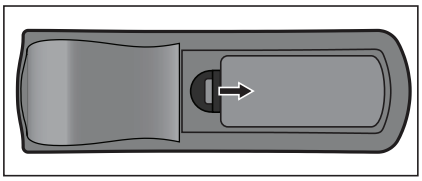
To switch the code for the remote control, press **ID set** and the corresponding button from 1 to 8 buttons on the remote control together for 5 seconds or more. The initial code is set to1. When the code is switched to 8, the remote control can control every projector.

☞ ***Note***

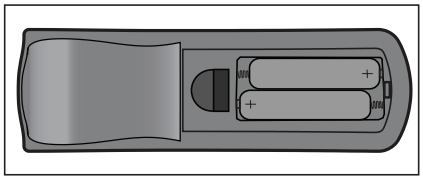
- ***If different codes are set on the projector and remote control, there will be no response from the remote control. When that happens, switch the code for the remote control again.***

Installing the batteries

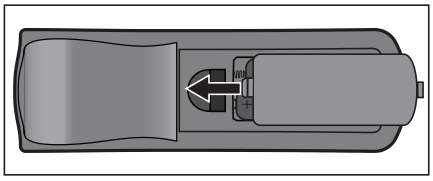
1. Open the battery cover in the direction shown.



2. Install batteries as indicated by the diagram inside the compartment.



3. Close the battery cover into position.



Caution

- ***Risk of explosion if battery is replaced by an incorrect type.***
- ***Dispose of used batteries according to the instructions.***
- ***Make sure the plus and minus terminals are correctly aligned when loading a battery.***

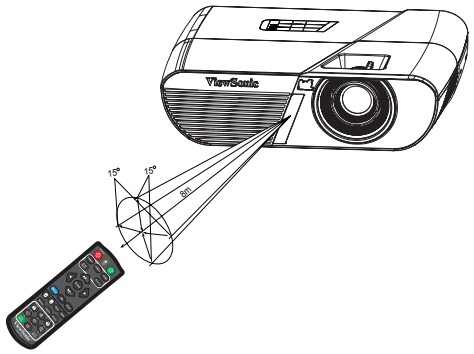
Note

- ***Keep the battery out of the reach of children.***
- ***Remove batteries from remote control when not using for extended periods.***
- ***Do not recharge the battery or expose the battery to fire or water.***
- ***Do not dispose the used battery along with household waste. Dispose used batteries according to local regulations.***
- ***Danger of explosion may happen if batteries are incorrectly replaced. Replace only with the same type recommended by the manufacturer.***
- ***Battery should not be in or near to fire or water, keep batteries in a dark, cool and dry place.***
- ***If suspect battery leakage, wipe out the leakage and then replace a new battery. If the leakage adheres to your body or clothes, rinse well with water immediately.***

Remote control operation

Point the remote control at the infrared remote sensor and press a button.

- Operating the projector from the front.



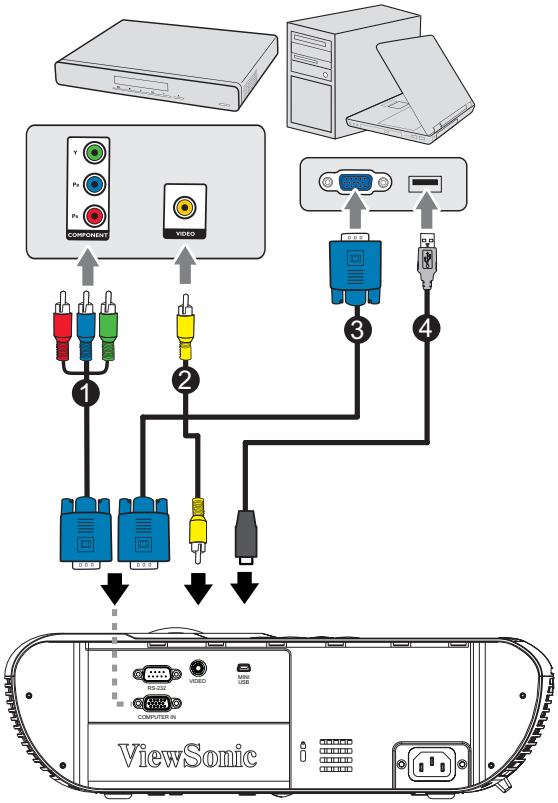
☞ ***Note***

- ***The remote control may not operate when there is sunlight or other strong light such as a fluorescent lamp shining on the remote sensor.***
- ***Operate the remote control from a position where the remote sensor is visible.***
- ***Do not drop the remote control or jolt it.***
- ***Keep the remote control out of locations with excessively high temperature or humidity.***
- ***Do not get water on the remote control or place wet objects on it.***
- ***Do not disassemble the remote control.***

Connection

When connecting a signal source to the projector, be sure to:

1. Turn all equipment off before making any connections.
2. Use the correct signal cables for each source.
3. Ensure the cables are firmly inserted.



1. VGA (D-Sub) to HDTV (RCA) cable
2. Composite Video cable
3. VGA to DVI-A cable
4. USB cable

☞ ***Important***

- ***In the connections shown above, some cables may not be included with the projector (see "Package contents" on page 2). They are commercially available from electronics stores.***
- ***The connection illustrations above are for reference only. The rear connecting jacks available on the projector vary with each projector model.***
- ***For detailed connection methods, see pages 14-15.***

Connecting a computer

The projector provides two VGA input sockets that allow you to connect them to both IBM® compatibles and Macintosh® computers. A Mac adapter is needed if you are connecting legacy version Macintosh computers.

To connect the projector to a notebook or desktop computer:

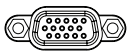
1. Take the supplied VGA cable and connect one end to the D-Sub output socket of the computer.
2. Connect the other end of the VGA cable to the **COMPUTER** signal input socket on the projector.

☞ ***Important***

- ***Many notebooks do not turn on their external video ports when connected to a projector. Usually a key combo like FN + F3 or CRT/LCD key turns the external display on/off. Locate a function key labeled CRT/LCD or a function key with a monitor symbol on the notebook. Press FN and the labeled function key simultaneously. Refer to your notebook's documentation to find your notebook's key combination.***

Connecting Video source devices

You need only connect the projector to a Video source device using just one of the above connecting methods, however each provides a different level of video quality. The method you choose will most likely depend upon the availability of matching terminals on both the projector and the Video source device as described below:

Terminal name	Terminal appearance	Reference	Picture quality
Video	VIDEO	"Connecting a composite Video source device" on page 15	Good
Component Video	COMPUTER 	"Connecting a Component Video source device" on page 15	Normal

Connecting a composite Video source device

Examine your Video source device to determine if it has a set of unused composite Video output sockets available:

- If so, you can continue with this procedure.
- If not, you will need to reassess which method you can use to connect to the device.

To connect the projector to a composite Video source device:

1. Take a Video cable and connect one end to the composite Video output socket of the Video source device.
2. Connect the other end of the Video cable to the **VIDEO** socket on the projector.

Connecting a Component Video source device

Examine your Video source device to determine if it has a set of unused Component Video output sockets available:

- If so, you can continue with this procedure.
- If not, you will need to reassess which method you can use to connect to the device.

To connect the projector to a Component Video source device:

1. Take a VGA (D-Sub) to HDTV (RCA) cable and connect the end with 3 RCA type connectors to the Component Video output sockets of the Video source device. Match the color of the plugs to the color of the sockets; green to green, blue to blue, and red to red.
2. Connect the other end of the cable (with a D-Sub type connector) to the **COMPUTER** socket on the projector.

☞ ***Important***

- ***If the selected video image is not displayed after the projector is turned on and the correct video source has been selected, check that the Video source device is turned on and operating correctly. Also check that the signal cables have been connected correctly.***

Operation

Powering on/off the projector

Powering on the projector:

1. Complete the AC power cord and peripheral signal cable(s) connections.
2. Press ⏻ to turn on the projector.
   The projector takes a minute or so to warm up.
   - If the projector is still hot from previous activity, it will run the cooling fan for approximately 60 seconds before energizing the lamp.
3. Turn on your source (computer, notebook, DVD, etc.).
   - If you are connecting multiple sources to the projector simultaneously, press **Source** to select your desired signal or press your desired signal key on the remote control.
   - If the projector doesn't detect a valid signal, the message 'No Signal' will continue to be displayed.
   - Be sure the **Quick Auto Source** function in the **SOURCE** menu is **On** if you want the projector to automatically search for the signals.

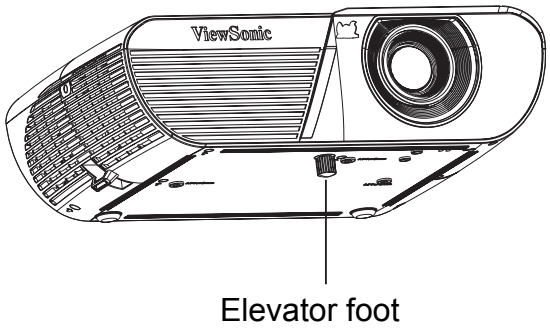
⚠ ***Warning***

- ***Never look into the lens when the lamp is on. This can damage your eyes.***
- ***This focal point concentrates high temperature. Do not place any object near it to avoid possible fire hazard.***

Powering off the projector:

1. Press ⏻ to turn off the projector lamp. You will see a message "Power off? Press Power again" appear on the screen.
2. Press ⏻ again to confirm.
   - When power off the projector, the Power LED begins flashing and the projector has entered stand-by mode.
   - If you want to turn the projector back on, you must wait until the projector has completed the cooling cycle and has entered stand-by mode. Once in stand-by mode, simply press ⏻ to restart the projector.
3. Disconnect the AC power cord from the electrical outlet and the projector.
4. Do not turn on the projector right after power off.

Adjusting the projector height

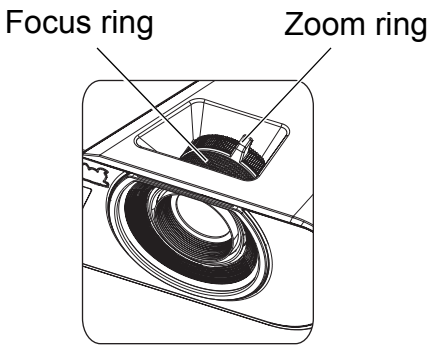


The projector is equipped with an elevator foot to adjust the image height. To raise or lower the image, turn the elevator foot to fine-tune the height.

☞ ***Note***

- ***To avoid damaging the projector, make sure that the elevator foot is fully retracted before placing the projector in its carrying case.***

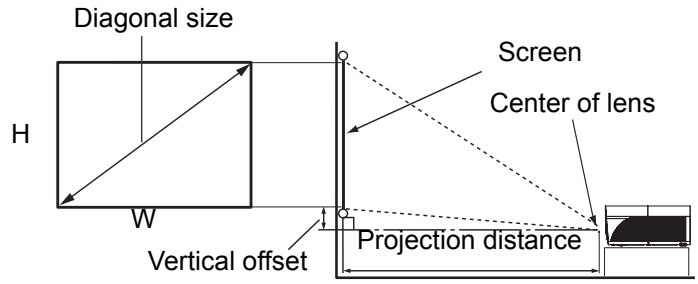
Adjusting the projector zoom and focus



1. Sharpen the image by rotating the focus ring.
2. Adjust the image size by rotating the zoom ring.

Adjusting projection image size

Refer to the graphic and table below to determine the screen size and projection distance.



4 : 3 Screen diagonal					
Screen size			Projection distance [inch (m)]		Vertical offset [inch (cm)]
Diagonal [inch (cm)]	W [inch (cm)]	H [inch (cm)]	(min.)	(max.)	
30 (76)	24 (61)	18 (46)	47 (1.2)	51 (1.3)	2.7 (6.9)
40 (102)	32 (81)	24 (61)	62 (1.6)	69 (1.7)	3.6 (9.1)
60 (152)	48 (122)	36 (91)	94 (2.4)	103 (2.6)	5.4 (13.7)
80 (203)	64 (163)	48 (122)	125 (3.2)	137 (3.5)	7.2 (18.3)
100 (254)	80 (203)	60 (152)	156 (4.0)	172 (4.4)	9.0 (22.9)
150 (381)	120 (305)	90 (229)	234 (5.9)	257 (6.5)	13.5 (34.3)
200 (508)	160 (406)	120 (305)	312 (7.9)	343 (8.7)	18.0 (45.7)
250 (635)	200 (508)	150 (381)	390 (9.9)	429 (10.9)	22.5 (57.2)
300 (762)	240 (610)	180 (457)	468 (11.9)	515 (13.1)	27.0 (68.6)

☞ ***Note***

- ***Position the projector in a horizontal position; other positions can cause heat build-up and damage to the projector.***
- ***Keep a space of 30 cm or more between the sides of the projector.***
- ***Do not use the projector in a smoky environment. Smoke residue may build-up on critical parts and damage the projector or its performance.***

Securing the projector

Setting a password

1. Open the OSD menu and go to the **SYSTEM SETTING: ADVANCED** > **Advanced** > **Security Settings** menu. Press **Enter**. The **Security Settings** page displays.
2. Highlight **Change Password** and press **Enter**.
3. As pictured to the right, the four arrow keys (▲/ ▼/ ◀/▶) respectively represent 4 digits (1, 2, 3, 4). According to the password you desire to set, press the arrow keys to enter six digits for the password.
4. Confirm the new password by re-entering the new password.
5. Go back to **SYSTEM SETTING: ADVANCED** > **Advanced** > **Security Settings > Power on Lock** menu, and press **Enter.** You will be asked to input password. Once the password is set, the OSD menu returns to the **Power On Lock**. Select **On** by pressing ◀/▶.
6. To leave the OSD menu, press **Menu/Exit**.

Entering the password recall procedure

If the password function is activated, you will be asked to enter the six-digit password every time you turn on the projector. If you enter the wrong password, the password error message displays. Press **Menu** to re-enter the password.

1. If you enter an incorrect password 5 times in succession, the projector will display a coded number on the screen when you press the auto key 3~5 seconds.
2. Write down the number and turn off your projector.
3. Seek help from the local ViewSonic service center to decode the number. You may be required to provide proof of purchase documentation to verify that you are an authorized user of the projector.

Changing the password

1. Open the OSD menu and go to the **SYSTEM SETUP: Advanced** > **Advanced** > **Security Settings** > **Change Password** menu.
2. Enter the old password.
   - If the password is correct, another message **'INPUT NEW PASSWORD'** displays.
   - If the password is incorrect, the password error message displays, and the message **'INPUT CURRENT PASSWORD'** displays for your retry. You can press **Menu** to cancel the change or try another password.
3. Enter a new password.
4. Confirm the new password by re-entering the new password.
5. You have successfully assigned a new password to the projector. Remember to enter the new password next time the projector is started.
6. To leave the OSD menu, press **Menu/Exit**.

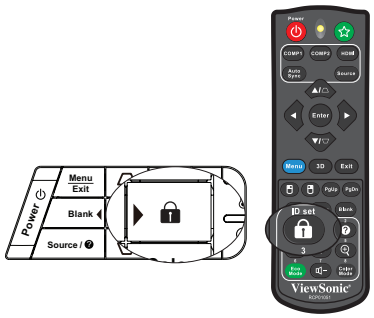
Disabling the password function

To disable password protection, go back to **SYSTEM SETTING: ADVANCED** > **Advanced** > **Security Settings > Power on Lock** menu, and press **Enter.** You will be asked to input password. Once the password is set, the OSD menu returns to the **Power On Lock**. Select **Off** by pressing ◀/▶. To leave the OSD menu, press **Menu/ Exit**.

Locking control keys

With the control keys on the projector locked, you can prevent your projector settings from being changed accidentally (by children, for example). When the **Panel Key Lock** is on, no control keys on the projector will operate except **Power**.

1. Press Lock on the remote control or keypad on the projector for 3 seconds.Press Lock on the remote control, a confirmation message "***Are you sure to lock panel keys?***" is displayed. Select **Yes** to confirm.



To release panel key lock:

1. Press Lock on the remote control directly. ***The Panel keys are unlock.***
2. Press Lock on the keypad on projector, a message is displayed. ***Panel keys are locked. please press lock key for 3 seconds to unlock panel keys.***

☞ ***Important***

- ***If you press Power to turn off the projector without disabling panel key lock, the projector will still be in locked status the next time it is turned on.***
- ***Keys on the remote control are still functional when panel key lock is enabled.***

Setting the presentation timer

The presentation timer can indicate the presentation time on the screen to help you achieve better time management when giving presentations. Follow these steps to utilize this function:

1. Press Timer on the remote control to access the Presentation Timer menu or go to the **SYSTEM SETTING: BASIC** > **Advanced** > **Presentation Timer** menu and press **Enter** to display the Presentation Timer page.
2. Highlight **Timer Period** and decide the timer period by pressing ◀/▶.
3. Press ▼ to highlight **Timer Display** and choose if you want the timer to show up on the screen by pressing ◀/▶ .

Selection	Description
Always	Displays the timer on screen throughout the presentation time.
1 Min/2 Min/3 Min	Displays the timer on screen in the last 1/2/3 minute(s).
Never	Hides the timer throughout the presentation time.

4. Press ▼ to highlight **Timer Position** and set the timer position by pressing ◀/▶. Top-Left → Bottom-Left → Top-Right → Bottom-Right
5. Press ▼ to highlight **Timer Counting Direction** and select your desired counting direction by pressing ◀/▶..

Selection	Description
Count Up	Increases from 0 to the preset time.
Count Down	Decrease from the preset time to 0.

6. To activate the presentation timer, press ▼ to highlight **Start Counting** and select **Yes**.
7. To cancel the timer, highlight **Start Counting** and select **No**.

Menu operation

The projector has multilingual on-screen display menus that allow you to make image adjustments and change a variety of settings.

How to operate

1. Press **Menu** to open the OSD menu.
2. When OSD is displayed, use ◀/▶ to select any feature in the main menu.
3. After selecting the desired main menu item, press ▼ to enter sub-menu for feature setting.
4. Use ▲/▼ to select the desired item and adjust the settings with ◀/▶.
5. Press **Menu**, the screen will return to the main menu or go back to the upper level of the menu.

Menu tree

Main Menu	Sub Menu	Settings		
DISPLAY	Screen Color	Off / Blackboard / Greenboard / Whiteboard		
	Aspect Ratio	Auto / 4:3 / 16:9 / Anamorphic/		
	Keystone	-40 - 40		
	Position	X: -5 - 5 Y: - 5 - 5		
	Phase	0 - 31		
	H. Size	-15 - 15		
	Zoom	PC:1.0X - 2.0X Video:1.0X - 1.8X		
PICTURE	Color Mode	Brightest / Dynamic / Standard / ViewMatch / Movie		
	Brightness	0 - 100		
	Contrast	-50 - 50		
	Color Temp.	Warm / Normal / Neutral / Cool		
		Red Gain		
		Green Gain		
		Blue Gain		
		Red Offset		
		Green Offset		
		Blue Offset		
	Advanced	Color	-50 - 50	
		Tint	-50 - 50	
		Sharpness	0 - 31	
		Gamma	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8	
		Brilliant Color	Off / 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10	
		Color Manage-ment	Primary color	R / G / B / C / M / Y
			Hue	-99 - 99
			Saturation	0 - 199
			Gain	5 - 195
	Reset Color Settings	Reset / Cancel		

SOURCE	Quick Auto Search	Off / On		
	3D Settings	3D Sync	Off	
			Frame Sequential	
			Top-Bottom	
			Side-by-Side	
		3D Sync Invert	Disable /Invert	
	Auto Power On	Computer	Disable/ Enable	
		Direct Power On	Off / On	
	Auto Power Off	Power Saving	Disable/ 10/ 20/ 30 min	
		Sleep Timer	Disable / 30 min/ 1 hr / 2 hr / 3 hr / 4 hr / 8 hr / 12 hr	
	Smart Restart	Disable / Enable		
	Quick Power Off	Disable / Enable		
SYSTEM SETTING: BASIC	Language	English / Deutsch / Français / Español / Italiano / Русский / 한국어 / ไทย / Português / 簡体中文 / 繁體中文 / 日本語 / Nederlands / Svenska / Türkçe / Čeština / Suomi / Polski / Indonesia / العربية / हिन्दी		
	Projector Position	Front Table / Rear Table / Rear Ceiling / Front Ceiling		
	Menu Settings	Menu Display Time	5 sec / 10 sec / 15 sec / 20 sec / 25 sec / 30 sec	
		Menu Position	Center / Top-Left / Top-Right / Bottom-Left / Bottom-Right	
	Blank Timer	Disable / 5 min / 10 min / 15 min / 20 min / 25 min / 30 min		
	Splash Screen	Black / Blue / ViewSonic/ Off		
	My Button	Auto Sync / Projector Position / Menu Position / Color Temp. / Brightness / Contrast / 3D Settings / Screen Color / Splash Screen / Message / Quick Auto Search / Lamp Mode / DCR / Power Saving / Freeze / Information		
	Advanced	Pattern	Off / 01 / 02 / 03 / 04 / 05	
		Message	On / Off	
		Presentation Timer	Timer period	1 ~ 240 min
			Timer display	Always / 1 min / 2 min / 3 min / Never
			Timer Position	Top-Left / Bottom-Left / Top-Right / Bottom-Right
			Timer counting direction	Count Down / Count Up
			Start Counting / Off	Yes / No

SYSTEM SETTING: ADVANCED	High Altitude Mode	Off / On	
	DCR	Off / On	
	Closed Caption	Closed Caption Enable	Off / On
		Caption Version	CC1 / CC2 / CC3 / CC4
	Lamp Settings	Lamp Mode	Normal / Economic / Dynamic / Sleep Mode
		Reset Lamp Hours	Reset / Cancel
		Lamp hours	
	Filter Settings	Filter Mode	Off / On
		Reset Filter Hours	Reset / Cancel
		Filter Hours	
	Remote Control Code	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8	
	Advanced	Security Settings	Change password
			Power on Lock / Off / On
		Panel Key Lock	Off / On
	Reset Settings	Reset / Cancel	
INFORMATION	Current System Status		
	Source		
	Color Mode		
	Resolution		
	Color System		
	Lamp Hours		
	Filter Hours		
	Firmware Version		

DISPLAY

Screen Color

The Screen Color feature can help correct the projected picture's colors to prevent possible color difference between the source and projected pictures.

There are several precalibrated colors to choose from: Whiteboard, Greenboard, and Blackboard.

Aspect Ratio

Select how the picture fits on the screen:

- Auto: Scales an image proportionally to fit the projector's native resolution in its horizontal or vertical width. You want to make most use of the screen without altering the source image's aspect ratio.
- 4:3: Scales an image so that it is displayed in the center of the screen with a 4:3 aspect ratio, as it displays them without aspect alteration.
- 16:9: Scales an image so that it is displayed in the center of the screen with a 16:9 aspect ratio, as it displays them without aspect alteration.
- Anamorphic: Scales a 16:9 aspect image vertically and horizontally in a non-linear manner so that it fills the screen with a 4:3 aspect ratio.

Keystone

Manually correct distorted images resulting from an angled projection.
Press Keystone ⏢/⏢ on the projector or remote control to display the Keystone correction page.
Press ⏢ to correct keystone at the top of the image.
Press ⏢ to correct keystone at the bottom of the image.

Position

Displays the position adjusent page. This function is only available when a PC type input signal is selected.

Phase

Adjusts the clock phase to reduce image distortion. This function is only available when a PC type input signal is selected.

H. Size

Adjusts the horizontal width of the image. This function is only available when a PC type input signal is selected.

Zoom

Using the remote control

1. Press ⊕ on the remote control to display the Zoom bar.
2. Press ▲/▶ to magnify the picture to a desired size.
3. Press ▲ repeatedly to magnify the picture to a desired size.
4. To navigate the picture, press **Enter** to switch to the paning mode and press the directional arrows (▲, ▼, ◀, ▶) to navigate the picture.

5. To reduce size of the picture, press **Enter** to switch back to the zoom in/out functionality, and press **Auto Sync** to restore the picture to its original size. You can also press ▼ repeatedly until it is restored to the original size.

Using the OSD menu

1. Press **Menu** and then press ▶ until the **DISPLAY** menu is highlighted.
2. Press ▼ to select **Zoom** and press **Enter**. The Zoom bar displays.
3. Repeat steps 3-5 in the section of Using the remote control above.

PICTURE

Color Mode

There are many factory presets optimized for various types of images.

- Brightest: Maximizes the brightness of the projected image. This mode is suitable for environments where extra-high brightness is required.
- Dynamic: Is designed for presentations under daylight environment to match PC and notebook coloring. In addition, the projector will optimize the image quality using the dynamic PC function in accordance with the projected contents.
- Standard: Is designed for presentations under daylight environment to match PC and notebook coloring.
- ViewMatch: Switches between high brightness performance and accurate color performance.
- Movie: Is appropriate for playing colorful movies. This mode is suitable for viewing in a blackened (little light) environment

Brightness

Brighten or darken the image.

Contrast

Sets the difference between light and dark areas.

Color Temp.

Sets a color temperature from Warm, Normal, Neutral and Cool.

- Cool: With the highest color temperature, Cool makes the image appear the most bluish white than other settings.
- Neutral: Makes images appear bluish white.
- Normal: Maintains normal colorings for white.
- Warm: Makes images appear reddish white.
- Red Gain/Green Gain/Blue Gain: Adjusts the contrast levels of Red, Green, and Blue.
- Red Offset/Green Offset/Blue Offset: Adjusts the brightness levels of Red, Green, and Blue.

Advanced

Color

The higher the value, the more reddish the picture becomes. The lower the value, the more greenish the picture becomes.

Tint

Adjusts the red and green color tones of the image.

Sharpness

Adjusts the image to make it look sharper or softer.

Gamma

Effect the represent of dark scenery. With greater gamma value, dark scenery will look brighter.

Brilliant Color

This adjustable item utilizes a new color-processing algorithm and system level enhancements to enable higher brightness while providing true, more vibrant colors in picture. The range is from “1” to “10”. If you prefer a stronger enhanced image, adjust toward the maximum setting. For a smoother, more natural image, adjust toward the minimum setting.

Color Management

The Color Management provides six sets (RGBCMY) of colors to be adjusted. When you select each color, you can independently adjust its hue, saturation and gain according to your preference.

Reset Color Settings

Reset the Color Mode settings of the current input source to default values.

SOURCE

Quick Auto Search

Automatically scan through all the input source if the function in the OSD menu is On. The function will stop the signal auto scan process and fix the signal source you preferred if you turn Off the Quick Auto Search.

3D Settings

This projector features a 3D function which enables you to enjoy the 3D movies, videos, and sporting events in a more realistic way by presenting the depth of the images. You need to wear a pair of 3D glasses to view the 3D images.

3D Sync

When you discover the inversion of the image depth, enable this function to correct the problem.

3D Sync Invert

When you discover the inversion of the image depth, enable this function to correct the problem.

Auto Power On

Computer

Selecting Enable the projector will turn on automatically when COMPUTER signal is detected.

Direct Power On

Selecting On the projector will turn on automatically after the power cord has been connected and power has been applied.

Auto Power Off

Power Saving

The projector lowers the projector power if no input source is detected after 5 minutes to prevent unnecessary waste of lamp life. You can further decide if you would like the projector to turn off automatically after a set period of time.
When **Disable** is selected, the projector power will be reduced to 30% after no signal is detected for 5 minutes.
If you select **10 min**, **20 min** or **30 min**, the projecter power will be reduced to 30% after no signal is detected for 5 minutes. And when **10 min**, **20 min** or **30 min** is up, the projector will turn off automatically.

Sleep Timer

This function allows the projector to turn off automatically after a set period of time to prevent unnecessary waste of lamp life.

Smart Restart

It takes some time to initate this function. Make sure the projector has been turned on for more than 4 minutes. If the projector is resumed by using the Smart Restart feature, this function can be executed immediately.

Quick Power Off

- ON: Quick power on function speeds up the cooling process when turning off the projector.
- OFF: Turn off with cooling procedure.

☞ ***Note***

- ***When Desable is selected, the Smart Restart function will be automatically turned OFF.***

SYSTEM SETTING: BASIC

Language

Select the language used by the on-screen menu.

Projector Position

Adjust the picture to match the orientation of the projector: upright or upside-down, in front of or behind the screen. Invert or reverse the image accordingly.

Menu Settings

Menu Display Time

Duration of OSD menu display countly starts (at idle state by second).

Menu Position

Choose the menu location on the display screen.

Blank Timer

Sets the image blank time when the Blank Timer feature is activated, once elapsed the image will return to the screen.

Splash Screen

Allows you to select which logo screen will display during projector start-up.

My Button

Allow user to define a short cut key on the remote control, and the function item is selected in OSD menu. Available options are: Auto Sync, Projector Position, Menu Position, Color Temp., Brightness, Contrast, 3D Settings, Screen Color, Splash Screen, Message, Quick Auto Search, Lamp Mode, DCR, Power Saving, Freeze, and Information.

Advanced

Pattern

Display embedded test pattern.

Message

Enable or disable the message box at the right bottom of the screen.

Presentation Timer

Remind the presenter to finish the presentation within a certain time frame. See "Setting the presentation timer" on page 23.

SYSTEM SETTING: ADVANCED

High Altitude Mode

Use this function to allow the fans operates at full speed continuously to achieve proper high altitude cooling of the projector.

DCR

DCR (Dynamic Contrast Ratio): Enable DCR will further enhance contrast ratio by darkening the black scenes. Disable DCR will resume to normal contrast performance. DCR will impact lamp life and system noise performance.

Closed Caption

Enable or disable closed captions by selecting CC1 (closed caption1, the most common channel), CC2, CC3, CC4, T1, T2 or OFF.

Lamp Settings

Lamp Mode

Sets the Lamp Mode.

- Normal: 100% lamp power
- Economic: 80% lamp power
- Dynamic: 30~100% lamp power based on signal
- Sleep Mode: 30% lamp power

Reset Lamp Hours

Reset the lamp Hour to 0 hours.

Lamp Hours

Display the lamp’s elapsed operating time (in hours).

Filter Settings (Optional)

Filter Mode

Use this function to activate filter mode after the projector is installed an optional filter cover.

Reset Filter Hours

Reset the filter Hour to 0 hours.

Filter Hours

Display the filter’s elapsed operating time (in hours).

Remote Control Code

See "Remote control code" on page 10 for details.

Advanced

Security Settings

- Change Password: Allows you to set or change the password.

- Power on Lock: If you enable this function, you will have to enter the password next time you turn on the projector.

See "Securing the projector" on page 20 for details.

Panel Key Lock

Disables or enables all panel key functions except Power on the projector and keys on the remote control. See "Locking control keys" on page 22 for details.

Reset Settings

Restore settings to factory default. The following settings will still remain: Keystone, Language, Projector Position, High Altitude Mode, Security Settings, Remote Control Code.

INFORMATION

Current System Status

Shows the currect system status.

Source

Shows the current signal source.

Color Mode

Shows the selected mode in the Color Mode menu.

Resolution

Shows the native resolution of the input signal.

Color System

Shows input system format, NTSC, PAL, SECAM, or RGB.

Lamp Hours

Displays the number of hours the lamp has been used.

Filter Hours

Displays the number of hours the filter has been used.

Firmware Version

Shows firmware version.

Maintenance

The projector needs proper maintenance. You should keep the lens clean as dust, dirt or spots will project on the screen and diminish image quality. If any other parts need replacing, contact your dealer or qualified service personnel. When cleaning any part of the projector, always switch off and unplug the projector first.

⚠ ***Warning***

- ***Never open any of the covers on the projector. Dangerous electrical voltages inside the projector can cause severe injury. Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.***

Cleaning the lens

Gently wipe the lens with lens cleaning paper. Do not touch the lens with your hands.

Cleaning the projector housing

Gently wipe with a soft cloth. If dirt and stains are not easily removed, use a soft cloth damped with water, or water and neutral detergent, and wipe dry with a soft, dry cloth.

☞ ***Note***

- ***Turn off the projector and remove the AC power cord from the power outlet before beginning maintenance work.***
- ***Make sure the lens is cool before cleaning.***
- ***Do not use detergents or chemicals other than those noted above. Do not use benzene or thinners.***
- ***Do not use chemical sprays.***
- ***Use a soft cloth or lens paper only.***

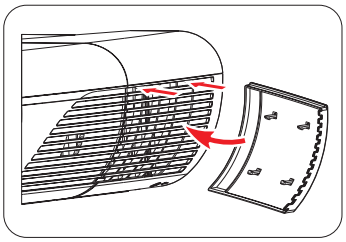
Installing the dust filter (optional accessory)

Caution

- ***It is important to clean the dust filter every 100 hours after the dust filter is installed.***
- ***Be sure to turn off the projector and unplug it from power source before installing or detaching the filter.***
- ***If your projector is ceiling-mounted or is not easily accessible, pay special attention to your personal safety when replacing the dust filter.***

Installing the dust filter

1. Be sure to turn off the projector and unplug it from power source.
2. As the arrows shown to the right, fit the filter by aligning and inserting it into the projector slots. Make sure it clicks into place.



For first time installation:

3. Open the OSD menu and go to the **SYSTEM SETTING: ADVANCED** > **Filter Settings** menu.
4. Press **Enter** and the **Filter Settings** page is displayed.
5. Highlight **Filter Mode** and select "**On**". The filter timer starts counting and the projector will remind you to clean the filter when the filter is in use for over 100 hours.

Caution

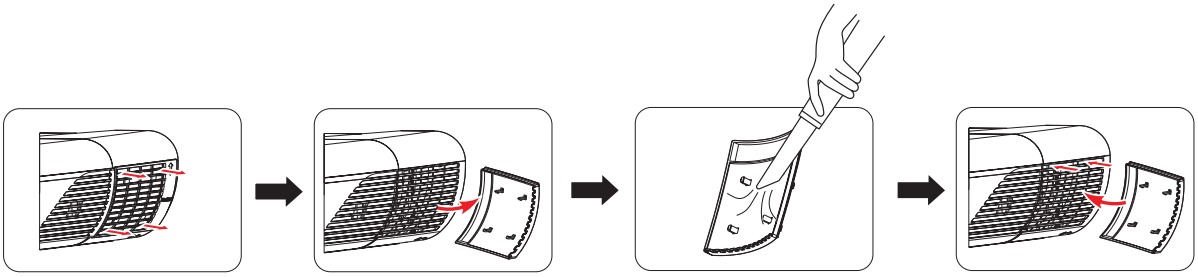
- ***Set Filter Mode to On only when using the projector after the dust filter (optional accessory) is properly attached. Failing to do so will result in a shorter lamp life.***

Obtaining the filter hour information

1. Open the OSD menu and go to the **SYSTEM SETTING: ADVANCED** > **Filter Settings** menu.
2. Press **Enter** and the **Filter Settings** page is displayed.
3. You will see the **Filter Hours** information on the menu.

Cleaning the dust filter

1. Be sure to turn off the projector and unplug it from power source.
2. Press the latches on the dust filter and remove the filter from the projector.
3. Use a small vacuum cleaner or a soft brush to sweep the dust on the filter away.
4. Re-install the dust filter.



Resetting the filter timer

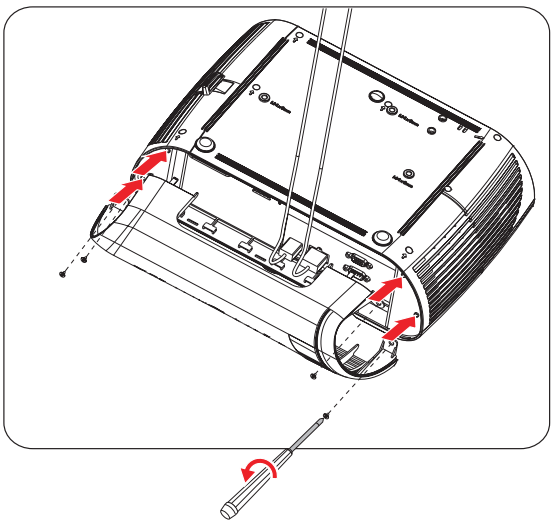
5. Open the OSD menu and go to the **SYSTEM SETTING: ADVANCED** > **Filter Settings** menu.
6. Press **Enter** and the **Filter Settings** page is displayed.
7. Highlight **Reset Filter** Hours and press **Enter**. A warning message is displayed asking if you want to reset the filter timer.
8. Highlight **Reset** and press **Enter**. The lamp timer will be reset to '0'.

Caution

- ***Remember to use Filter Mode to Off in the SYSTEM SETTING: ADVANCED > Filter Settings menu when using the projector with the dust filter removed. Setting Filter Mode to Off does not reset the filter timer. The timer will continue counting the next time you fit the filter back on and set Filter Mode to On.***

Installing the cable management cover (optional accessory)

1. Make sure that all the cables are properly connected to the projector.
2. Attach the cable management cover to the back of the projector.
3. Tighten the screws that secure the cable management cover.



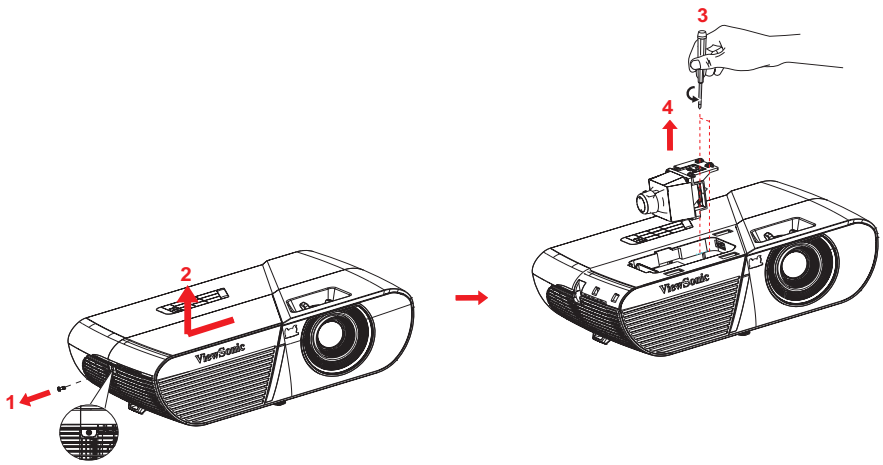
Replacing the lamp

As the projector operates over time, the brightness of the projector lamp gradually decreases and the lamp becomes more susceptible to breakage. We recommend replacing the lamp if a warning message is displayed. Do not attempt to replace the lamp yourself. Contact the qualified service personnel for replacement.

☞ ***Note***

- ***The lamp is extremely hot right after turning off the projector. If you touch the lamp, you may scald your finger. When you replace the lamp, wait for at least 45 minutes for the lamp to cool down.***
- ***Do not touch the lamp glass at any time. The lamp may explode due to improper handling, including the touching of the lamp glass.***
- ***Lamp lifetime may differ from lamp to lamp and according to the environment of use. There is no guarantee of the same lifetime for each lamp. Some lamps may fail or terminate their lifetime in a shorter period of time than other similar lamps.***
- ***A lamp may explode as a result of vibration, shock or degradation as a result of hours of use as its lifetime draws to an end. Risk of explosion may differ according to the environment or conditions in which the projector and lamp are being used.***
- ***Wear protective gloves and eyeglasses when fixing or detaching the lamp.***
- ***Faster on-off-cycles will damage the lamp and reduce lamp life. Wait at least for 5 minutes to turn off the projector after powering on.***
- ***Do not operate the lamp in proximity to paper, cloth, or other combustible material nor cover it with such materials.***
- ***Do not operate the lamp in an atmosphere containing an inflammable substance, such as thinner.***
- ***Thoroughly ventilate the area or the room when operating the lamp in an oxygen atmosphere (in the air). If ozone is inhaled, it could cause headaches, nausea, dizziness, and other symptoms.***
- ***The inorganic mercury is involved in the lamp. If the lamp bursts, the mercury inside the lamp will be exposed. Leave the area immediately if the lamp shatters while being operated and ventilate the area for at least 30 minutes in order to avoid the inhalation of mercury fumes. Otherwise it could be harmful to user's health.***

1. Turn off the projector.
2. If the projector is installed in a ceiling mount, remove it.
3. Unplug the power cord.
4. Loosen the screw in the side of the lamp cover.1
5. Remove the cover.2
6. Loosen the screws from the lamp module.3
7. Raise the handle and pull out the lamp module slowly and carefully.4
8. Insert the new lamp module into the projector and tighten the screws.
9. Replace the lamp cover and tighten the screw.
10. Turn on the projector. If the lamp does not turn on after the warm-up period, try reinstalling the lamp.
11. Reset the lamp hour. Refer to the **"SYSTEM SETTING: ADVANCED > Lamp Settings > Reset Lamp Hours"** menu.



☞ ***Note***

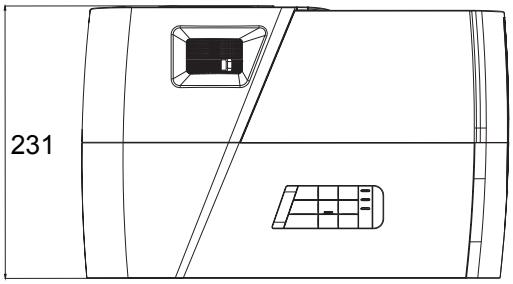
- ***Dispose the used lamp according to local regulations.***
- ***Ensure that screws are tightened properly. Screws not tightened fully may result in injury or accidents.***
- ***Since the lamp is made of glass, do not drop the unit and do not scratch the glass.***
- ***Do not reuse the old lamp. This could cause the lamp to explode.***
- ***Be sure to turn off the projector and unplug the AC power cord before replacing the lamp.***
- ***Do not use the projector with the lamp cover removed.***

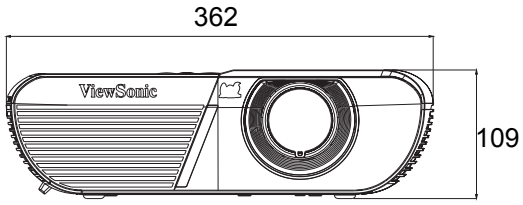
Specifications

Model name	PJD5150	PJD5250L
Dislay system	Single 0.55" DLP panel	
Resolution	SVGA (800 x 600 pixels)	XGA (1024 x 768 pixels)
Zoom	1.1x	
F/No.	2.5 - 2.7	
Focal length	22.08 - 24.28mm	
Screen size	30” - 300”	
Lamp	203W	
Input terminal	D-Sub 15-pin x 1, Video x 1	
Control terminal	RS-232 x 1, Mini-B USB x1 (supports firmware upgrade and remote mouse control)	
Video compatibility	NTSC, NTSC 4.43 PAL, PAL-N, PAL M SECAM, HDTV (480i/p, 576p, 720p, 1080i/p), Composite video	
Scanning frequency Horizontal frequency Vertical frequency	 31 - 100 KHz 24 - 120 Hz	
Environment	Operating: Temperature: 0°C to 40°C Humidity: 10%-90% Storage: Temperature: -20°C to 60°C Humidity:10%-90%	
Power requirement	AC 100-240 V, 50 - 60 Hz, 2.6A	
Power consumption	265W (Max.)	
Dimension (W x D x H)	362 x 231 x 109 mm	
Weight	2.4 kg (5.3 lb) without cable management cover	
Note: Design and Specifications are subject to change without prior notice.		

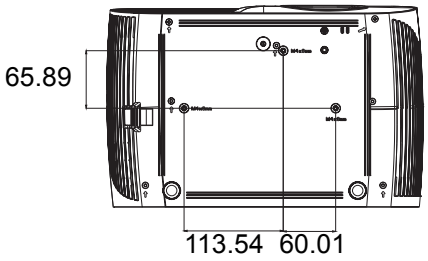
Dimensions

362 mm (W) x 231 mm (D) x 109 mm (H)





Ceiling mount installation



Ceiling mount screws:
M4 x 8 (Max. L = 8 mm)

Unit: mm

Appendix

LED indicator messages

LED Type	Color	Status	Meaning
Power LED	Blue	Solid	Normal power of standby mode . (Not available for PJD5 series)
Temp LED	Red	Off	
Lamp LED	Red	Off	
Power LED	Blue	Flash	Low power of standby mode.
Temp LED	Red	Off	
Lamp LED	Red	Off	
Power LED	Blue	Flash	Powering up
Temp LED	Red	Off	
Lamp LED	Red	Off	
Power LED	Blue	Solid	Normal operation
Temp LED	Red	Off	
Lamp LED	Red	Off	
Power LED	Blue	Solid	Powering down
Temp LED	Red	Off	
Lamp LED	Red	Off	
Power LED	Blue	Solid	If the projector system has some problems with its fans, the projector will shut down.
Temp LED	Red	Flash	
Lamp LED	Red	Flash	
Power LED	Blue	Solid	The lamp has reached its end of life and must be changed soon. The lamp will continue to operate until it fails. Change the lamp. If the lamp is off, then the ballast will become malfunction.
Temp LED	Red	Off	
Lamp LED	Red	Flash	
Power LED	Blue	Flash	1. Temperature is too high. The lamp will turn off. The fan motor is cooling the lamp. Or 2. The cooling process is not complete after the projector is shut down and re-started right away.
Temp LED	Red	Flash	
Lamp LED	Red	Off	
Power LED	Blue	Flash	The lamp ignition failed. If temperature is too high, the fans will cool the lamp.
Temp LED	Red	Off	
Lamp LED	Red	Solid	
Power LED	Blue	Solid	Color wheel start fail
Temp LED	Red	Solid	
Lamp LED	Red	Solid	

Compatibility modes

Supported 3D signal for PC input

Resolution	Horizontal frequency (KHz)	Vertical frequency (Hz)	Pixel Frequency (MHz)	3D frame sequential	3D top bottom	3D side by side
640 x 480	59.94	31.469	25.175	◎	◎	◎
	72.809	37.861	31.500			
	75	37.5	31.500			
	85.008	43.269	36.000			
720 x 400	70.087	31.469	28.3221			
800 x 600	60.317	37.879	40.000	◎	◎	◎
	72.188	48.077	50.000			
	75	46.875	49.500			
	85.061	53.674	56.250			
	119.854	77.425	83.000	◎		
1024 x 768	60.004	48.363	65.000	◎	◎	◎
	70.069	56.476	75.000			
	75.029	60.023	78.750			
	84.997	68.667	94.500			
	119.989	97.551	115.5	◎		
1152 x 864	75	67.5	108			
1280 x 720	60	45	74.250	◎	◎	◎
	120	90.000	148.500	◎		
1280 x 768	59.87	47.776	79.5	◎	◎	◎
1280 x 800	59.81	49.702	83.500	◎	◎	◎
	74.934	62.795	106.500			
	84.88	71.554	122.500			
	119.909	101.563	146.25	◎		
1280 x 1024	60.02	63.981	108.000		◎	◎
	75.025	79.976	135.000			
	85.024	91.146	157.500			
1280 x 960	60	60	108.000		◎	◎
	85.002	85.938	148.500			
1360 x 768	60.015	47.712	85.5		◎	◎
1440 x 900	59.887	55.935	106.500		◎	◎
1400 x 1050	59.978	65.317	121.750		◎	◎
1600 x 1200	60	75	162.000		◎	◎
1680 x 1050	59.954	65.29	146.25		◎	◎
1920 x 1200	59.95	74.038	154.000		◎	◎
640 x 480 @67Hz	66.667	35	30.240			
832 x 624 @75Hz	74.546	49.722	57.280			
1024 x 768 @75Hz	75.02	60.241	80.000			
1152 x 870 @75Hz	75.06	68.68	100.000			

- The timings showing above may not be supported due to EDID file and VGA graphic card limitations. It is possible that some timings cannot be chosen.
- 120Hz is signals are supported for frame sequential format only.

Supported timing for Component-YPbPr input

Timing	Resolution	Vertical Frequency (Hz)	Horizontal Frequency (kHz)	Pixel Frequency (MHz)
480i*	720 x 480	59.94	15.73	13.5
480p*	720 x 480	59.94	31.47	27
576i	720 x 576	50	15.63	13.5
576p	720 x 576	50	31.25	27
720/50p	1280 x 720	50	37.5	74.25
720/60p*	1280 x 720	60	45.00	74.25
1080/50i	1920 x 1080	50	28.13	74.25
1080/60i	1920 x 1080	60	33.75	74.25
1080/24P	1920 x 1080	24	27	74.25
1080/25P	1920 x 1080	25	28.13	74.25
1080/30P	1920 x 1080	30	33.75	74.25
1080/50P	1920 x 1080	50	56.25	148.5
1080/60P	1920 x 1080	60	67.5	148.5

- *Supported timing for 3D signal with Frame Sequential format.
- Displaying a 1080i(1125i)@60Hz or 1080i(1125i)@50Hz signal may result in slight image vibration.

Troubleshooting

Refer to the symptoms and measures listed below before sending the projector for repairs. If the problem persists, contact your local reseller or service center. Please refer to "LED Indicator Messages" as well.

Start-up problems

If no lights turn on:

- Be sure that the power cord is securely connected to the projector and the other end is plugged into an outlet with power.
- Press the power button again.
- Unplug the power cord and wait for a short while, then plug it in and press the power button again.

Image problems

If the searching source is displayed:

- Press **Source** to select an active input source.
- Be sure the external source is turned on and connected.
- For a computer connection, ensure your notebook computer’s external video port is turned on. Refer to the computer manual.

If the image is out of focus:

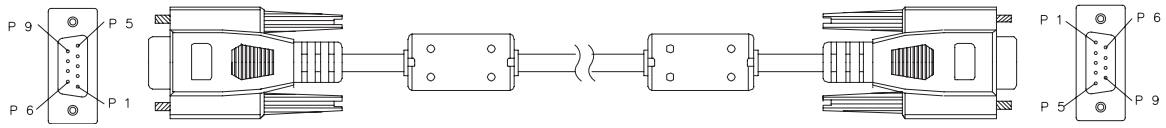
- While displaying the on-screen menu, adjust the focus ring. (The image size should not change; if it does, you are adjusting the zoom, not the focus.)
- Check the projection lens to see if it needs cleaning.
- If the image is flickering or unstable for a computer connection:
- Press **Menu**, go to ***DISPLAY*** and adjust ***Phase*** or ***H. Size*****.**

Remote control problems

If the remote control does not operate:

- Be sure nothing is blocking the remote control receiver on the front of the projector. Use the remote control within the effective range.
- Aim the remote control at the screen or at the front of the projector.
- Move the remote control so it is more directly in front of the projector and not as far to the side.

RS-232 command and configuration



D-Sub 9 pin

1	1 CD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

Wire List

C1	COLOR	C2
1	Black	1
2	Brown	3
3	Red	2
4	Orange	6
5	Yellow	5
6	Green	4
7	Blue	8
8	Purple	7
9	White	9
SHELL	DW	SHELL

Baud Rate	115200 bps
Data Length	8 bit
Parity Check	None
Stop Bit	1 bit
Flow Control	None

Function	Status	Action	cmd
Power	Write	Power on	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x00 0x00 0x5D
		Power off	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x01 0x00 0x5E
	Read	Power status (on/off)	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x11 0x00 0x5E
Reset all settings	Execute		0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x02 0x00 0x5F
Reset Color Settings	Execute		0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x2A 0x00 0x87
Splash Screen	Write	Splash Screen Black	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x0A 0x00 0x67
		Splash Screen Blue	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x0A 0x01 0x68
		Splash Screen ViewSonic	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x0A 0x02 0x69
		Splash Screen Screen Capture	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x0A 0x03 0x6A
		Splash Screen Off	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x0A 0x04 0x6B
	Read	Splash Screen status	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x11 0x0A 0x68
Quick Power Off	Write	Quick Power Off Off	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x0B 0x00 0x68
		Quick Power Off On	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x0B 0x01 0x69
	Read	Quick Power Off status	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x11 0x0B 0x69
High Altitude Mode	Write	High Altitude Mode Off	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x0C 0x00 0x69
		High Altitude Mode On	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x0C 0x01 0x6A
	Read	High Altitude Mode status	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x11 0x0C 0x6A
Lamp Mode	Write	Normal	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x10 0x00 0x6D
		Economic	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x10 0x01 0x6E
		Dynamic	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x10 0x02 0x6F
		Sleep Mode	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x10 0x03 0x70
	Read	Lamp Mode status	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x11 0x10 0x6E
Message	Write	Message Off	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x27 0x00 0x84
		Message On	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x27 0x01 0x85
	Read	Message status	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x11 0x27 0x85
Projector Position	Write	Front Table	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x00 0x00 0x5E
		Rear Table	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x00 0x01 0x5F
		Rear Ceiling	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x00 0x02 0x60
		Front Ceiling	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x00 0x03 0x61
	Read	Projector position status	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x12 0x00 0x5F
3D Sync	Write	OFF	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x20 0x00 0x7E
		Auto	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x20 0x01 0x7F
		Frame Sequential	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x20 0x02 0x80
		Frame Packing	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x20 0x03 0x81
		Top-Bottom	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x20 0x04 0x82
		Side-by-Side	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x20 0x05 0x83
	Read	3D Sync Status	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x12 0x20 0x7F
3D Sync Invert	Write	Off	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x21 0x00 0x7F
		On	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x21 0x01 0x80
	Read	3D Sync Invert Status	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x12 0x21 0x80

Contrast	Write	Contrast decrease	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x02 0x00 0x60
		Contrast increase	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x02 0x01 0x61
	Read	Contrast ratio	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x12 0x02 0x61
Brightness	Write	Brightness decrease	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x03 0x00 0x61
		Brightness increase	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x03 0x01 0x62
	Read	Brightness	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x12 0x03 0x62
Aspect ratio	Write	Aspect ratio Auto	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x04 0x00 0x62
		Aspect ratio 4:3	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x04 0x02 0x64
		Aspect ratio 16:9	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x04 0x03 0x65
		Aspect ratio 16:10	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x04 0x04 0x66
		Aspect ratio Anamorphic	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x04 0x06 0x68
		Aspect ratio Wide	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x04 0x06 0x68
	Read	Aspect ratio	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x12 0x04 0x63
Auto Adjust	Execute		0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x05 0x00 0x63
Horizontal position	Write	Horizontal position shift right	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x06 0x01 0x65
		Horizontal position shift left	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x06 0x00 0x64
	Read	Horizontal position	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x12 0x06 0x65
Vertical position	Write	Vertical position shift up	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x07 0x00 0x65
		Vertical position shift down	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x07 0x01 0x66
	Read	read Vertical position	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x12 0x07 0x66
Color temperature	Write	color temperature Warm	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x08 0x00 0x66
		color temperature Normal	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x08 0x01 0x67
		color temperature Neutral	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x08 0x02 0x68
		color temperature Cool	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x08 0x03 0x69
	Read	color temperature status	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x12 0x08 0x67
Blank	Write	Blank On	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x09 0x01 0x68
		Blank Off	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x09 0x00 0x67
	Read	Blank status	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x12 0x09 0x68
Keystone-Vertical	Write	Decrease	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x31 0x00 0x8E
		Increase	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x31 0x01 0x8F
	Read	Keystone status	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x11 0x31 0x8F
Keystone-Horizontal	Write	Decrease	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x31 0x00 0x8E
		Increase	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x31 0x01 0x8F
	Read	Keystone status	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x11 0x31 0x8F
Color mode	Write	Brightest	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x0B 0x00 0x69
		Movie	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x0B 0x01 0x6A
		PC	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x0B 0x04 0x6D
		ViewMatch	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x0B 0x05 0x6E
		Dynamic	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x0B 0x08 0x71
	Read	Preset mode status	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x12 0x0B 0x6A

Primary Color	Write	Primary color R	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x10 0x00 0x6E
		Primary color G	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x10 0x01 0x6F
		Primary color B	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x10 0x02 0x70
		Primary color C	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x10 0x03 0x71
		Primary color M	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x10 0x04 0x72
		Primary color Y	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x10 0x05 0x73
	Read	Primary color status	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x12 0x10 0x6F
Hue	Write	Hue decrease	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x11 0x00 0x6F
		Hue increase	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x11 0x01 0x70
	Read	Hue	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x12 0x11 0x70
Saturation	Write	Saturation decrease	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x12 0x00 0x70
		Saturation increase	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x12 0x01 0x71
	Read	Saturation	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x12 0x12 0x71
Gain	Write	Gain decrease	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x13 0x00 0x71
		Gain increase	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x13 0x01 0x72
	Read	Gain	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x12 0x13 0x72
Freeze	Write	Freeze On	0x06 0x14 0x00 0x04 0x00 0x34 0x13 0x00 0x01 0x60
		Freeze Off	0x06 0x14 0x00 0x04 0x00 0x34 0x13 0x00 0x00 0x5F
	Read	Freeze status	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x13 0x00 0x60
Source input	Write	Input source VGA	0x06 0x14 0x00 0x04 0x00 0x34 0x13 0x01 0x00 0x60
		Input source VGA2	0x06 0x14 0x00 0x04 0x00 0x34 0x13 0x01 0x08 0x68
		Input source Composite	0x06 0x14 0x00 0x04 0x00 0x34 0x13 0x01 0x05 0x65
		Input source SVIDEO	0x06 0x14 0x00 0x04 0x00 0x34 0x13 0x01 0x06 0x66
	Read	Source	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x13 0x01 0x61
Quick Auto Search	Write	Quick Auto Search on	0x06 0x14 0x00 0x04 0x00 0x34 0x13 0x02 0x01 0x62
		Quick Auto Search off	0x06 0x14 0x00 0x04 0x00 0x34 0x13 0x02 0x00 0x61
	Read	Quick Auto Search status	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x13 0x02 0x62

Language	Write	English	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x00 0x61
		Français	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x01 0x62
		Deutsch	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x02 0x63
		Italiano	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x03 0x64
		Español	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x04 0x65
		Русский	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x05 0x66
		繁體中文	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x06 0x67
		简体中文	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x07 0x68
		日本語	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x08 0x69
		한국어	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x09 0x6A
		Svenska	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x0a 0x6B
		Nederlands	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x0b 0x6C
		Türkçe	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x0c 0x6D
		Čeština	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x0d 0x6D
		Português	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x0e 0x6F
		ไทย	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x0f 0x70
		Polski	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x10 0x71
		Suomi	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x11 0x72
		العربية	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x12 0x73
		Indonesia	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x13 0x74
		हिन्दी	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x00 0x14 0x75
	Read	Language	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x15 0x00 0x62
Lamp Time	Write	Reset Lamp usuage hour	0x06 0x14 0x00 0x04 0x00 0x34 0x15 0x01 0x00 0x62
	Read	Lamp usuage hour	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x15 0x01 0x63
Error status	Read	Read error status	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x0C 0x0D 0x66
Brilliant Color	Write	Brilliant Color 0	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x0F 0x00 0x6D
		Brilliant Color 1	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x0F 0x01 0x6E
		Brilliant Color 2	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x0F 0x02 0x6F
		Brilliant Color 3	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x0F 0x03 0x70
		Brilliant Color 4	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x0F 0x04 0x71
		Brilliant Color 5	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x0F 0x05 0x72
		Brilliant Color 6	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x0F 0x06 0x73
		Brilliant Color 7	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x0F 0x07 0x74
		Brilliant Color 8	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x0F 0x08 0x75
		Brilliant Color 9	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x0F 0x09 0x76
		Brilliant Color 10	0x06 0x14 0x00 0x04 0x00 0x34 0x12 0x0F 0x0A 0x77
	Read	Brilliant Color status	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x12 0x0F 0x6E
Remote Control code	Write	code 1	0x06 0x14 0x00 0x04 0x00 0x34 0x0C 0x48 0x00 0xA0
		code 2	0x06 0x14 0x00 0x04 0x00 0x34 0x0C 0x48 0x01 0xA1
		code 3	0x06 0x14 0x00 0x04 0x00 0x34 0x0C 0x48 0x02 0xA2
		code 4	0x06 0x14 0x00 0x04 0x00 0x34 0x0C 0x48 0x03 0xA3
		code 5	0x06 0x14 0x00 0x04 0x00 0x34 0x0C 0x48 0x04 0xA4
		code 6	0x06 0x14 0x00 0x04 0x00 0x34 0x0C 0x48 0x05 0xA5
		code 7	0x06 0x14 0x00 0x04 0x00 0x34 0x0C 0x48 0x06 0xA6
		code 8	0x06 0x14 0x00 0x04 0x00 0x34 0x0C 0x48 0x07 0xA7
	Read	Remote Control code status	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x0C 0x048 0xA1
Screen Color	Write	Screen color Off	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x32 0x00 0x8F
		Blackboard	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x32 0x01 0x90
		Greenboard	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x32 0x02 0x91
		Whiteboard	0x06 0x14 0x00 0x04 0x00 0x34 0x11 0x32 0x03 0x92
	Read	Screen Color status	0x07 0x14 0x00 0x05 0x00 0x34 0x00 0x00 0x11 0x32 0x90

Remote Key	Write	Menu	0x02 0x14 0x00 0x04 0x00 0x34 0x02 0x04 0x0F 0x61
		Exit	0x02 0x14 0x00 0x04 0x00 0x34 0x02 0x04 0x13 0x65
		Top	0x02 0x14 0x00 0x04 0x00 0x34 0x02 0x04 0x0B 0x5D
		Bottom	0x02 0x14 0x00 0x04 0x00 0x34 0x02 0x04 0x0C 0x5E
		Left	0x02 0x14 0x00 0x04 0x00 0x34 0x02 0x04 0x0D 0x5F
		Right	0x02 0x14 0x00 0x04 0x00 0x34 0x02 0x04 0x0E 0x60
		Source	0x02 0x14 0x00 0x04 0x00 0x34 0x02 0x04 0x04 0x56
		Enter	0x02 0x14 0x00 0x04 0x00 0x34 0x02 0x04 0x15 0x67
		Auto	0x02 0x14 0x00 0x04 0x00 0x34 0x02 0x04 0x08 0x5A
		My Button	0x02 0x14 0x00 0x04 0x00 0x34 0x02 0x04 0x11 0x63

IR control table

System Code: 83F4
Format : NEC

Key	Format	Byte1	Byte2	Byte3	Byte4
Freeze	NEC	X3	F4	03	FC
PgDn	NEC	X3	F4	05	FA
PgUp	NEC	X3	F4	06	F9
Blank	NEC	X3	F4	07	F8
Auto sync	NEC	X3	F4	08	F7
Up	NEC	X3	F4	0B	F4
Down	NEC	X3	F4	0C	F3
Left	NEC	X3	F4	0E	F1
Right	NEC	X3	F4	0F	F0
Color Mode	NEC	X3	F4	10	EF
Aspect	NEC	X3	F4	13	EC
Mute	NEC	X3	F4	14	EB
Enter	NEC	X3	F4	15	EA
Power ON	NEC	X3	F4	17	E8
Magnify	NEC	X3	F4	32	CD
Presentation Timer	NEC	X3	F4	27	D8
Exit	NEC	X3	F4	28	D7
D. ECO (Eco mode)	NEC	X3	F4	2B	D4
Menu	NEC	X3	F4	30	CF
Mouse	NEC	X3	F4	31	CE
Mouse Left	NEC	X3	F4	36	C9
Mouse Right	NEC	X3	F4	37	C8
Source	NEC	X3	F4	40	BF
VGA (PC)	NEC	X3	F4	41	BE
Pattern	NEC	X3	F4	55	AA
My button	NEC	X3	F4	56	A9
Key pad lock	NEC	X3	F4	8E	71
RC ID	NEC	X3	F4	96	69

Address code

Code 1	83F4
Code 2	93F4
Code 3	A3F4
Code 4	B3F4
Code 5	C3F4
Code 6	D3F4
Code 7	E3F4
Code 8	F3F4

Customer Support

For technical support or product service, see the table below or contact your reseller.
NOTE: You will need the product serial number.

Country/Region	Website	T= Telephone C = CHAT ONLINE	Email
Australia New Zealand	www.viewsonic.com.au	AUS= 1800 880 818 NZ= 0800 008 822	service@au.viewsonic.com
Canada	www.viewsonic.com	T (Toll-Free)= 1-866-463-4775 T (Toll)= 1-424-233-2533	service.ca@viewsonic.com
Europe	www.viewsoniceurope.com	www.viewsoniceurope.com/uk/support/call-desk/	
Hong Kong	www.hk.viewsonic.com	T= 852 3102 2900	service@hk.viewsonic.com
India	www.in.viewsonic.com	T= 1800 419 0959	service@in.viewsonic.com
Korea	ap.viewsonic.com/kr/	T= 080 333 2131	service@kr.viewsonic.com
Latin America (Argentina)	www.viewsonic.com/la/	C= http://www.viewsonic.com/la/soporte/servicio-tecnico	soporte@viewsonic.com
Latin America (Chile)	www.viewsonic.com/la/	C= http://www.viewsonic.com/la/soporte/servicio-tecnico	soporte@viewsonic.com
Latin America (Columbia)	www.viewsonic.com/la/	C= http://www.viewsonic.com/la/soporte/servicio-tecnico	soporte@viewsonic.com
Latin America (Mexico)	www.viewsonic.com/la/	C= http://www.viewsonic.com/la/soporte/servicio-tecnico	soporte@viewsonic.com
Nexus Hightech Solutions, Cincinnati #40 Desp. 1 Col. De los Deportes Mexico D.F. Tel: 55) 6547-6454 55)6547-6484 Other places please refer to http://www.viewsonic.com/la/soporte/servicio-tecnico#mexico			
Latin America (Peru)	www.viewsonic.com/la/	C= http://www.viewsonic.com/la/soporte/servicio-tecnico	soporte@viewsonic.com
Macau	www.hk.viewsonic.com	T= 853 2870 0303	service@hk.viewsonic.com
Middle East	ap.viewsonic.com/me/	Contact your reseller	service@ap.viewsonic.com
Puerto Rico & Virgin Islands	www.viewsonic.com	T= 1-800-688-6688 (English) C= http://www.viewsonic.com/la/soporte/servicio-tecnico	service.us@viewsonic.com soporte@viewsonic.com
Singapore/ Malaysia/Thailand	www.ap.viewsonic.com	T= 65 6461 6044	service@sg.viewsonic.com
South Africa	ap.viewsonic.com/za/	Contact your reseller	service@ap.viewsonic.com
United States	www.viewsonic.com	T (Toll-Free)= 1-800-688-6688 T (Toll)= 1-424-233-2530	service.us@viewsonic.com

Limited Warranty

ViewSonic® Projector

What the warranty covers:
ViewSonic warrants its products to be free from defects in material and workmanship, under normal use, during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, ViewSonic will, at its sole option, repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components.

Limited Three (3) year General Warranty
Subject to the more limited one (1) year warranty set out below, North and South America: Three (3) years warranty for all parts excluding the lamp, three (3) years for labor, and one (1) year for the original lamp from the date of the first consumer purchase.
Other regions or countries: Please check with your local dealer or local ViewSonic office for the warranty information.

Limited One (1) year Heavy Usage Warranty:
Under heavy usage settings, where a projector's use includes more than fourteen (14) hours average daily usage, North and South America: One (1) year warranty for all parts excluding the lamp, one (1) year for labor, and ninety (90) days for the original lamp from the date of the first consumer purchase; Europe: One (1) year warranty for all parts excluding the lamp, one (1) year for labor, and ninety (90) days for the original lamp from the date of the first consumer purchase.
Other regions or countries: Please check with your local dealer or local ViewSonic office for the warranty information.
Lamp warranty subject to terms and conditions, verification and approval. Applies to manufacturer's installed lamp only. All accessory lamps purchased separately are warranted for 90 days.

Who the warranty protects:
This warranty is valid only for the first consumer purchaser.

What the warranty does not cover:
1. Any product on which the serial number has been defaced, modified or removed.
2. Damage, deterioration or malfunction resulting from:
    a. Accident, abuse, misuse, neglect, fire, water, lightning, or other acts of nature, improper maintenance, unauthorized product modification, or failure to follow instructions supplied with the product.
    b. Operation outside of product specifications.
    c. Operation of the product for other than the normal intended use or not under normal conditions.
    d. Repair or attempted repair by anyone not authorized by ViewSonic.
    e. Any damage of the product due to shipment.
    f. Removal or installation of the product.
    g. Causes external to the product, such as electric power fluctuations or failure.
    h. Use of supplies or parts not meeting ViewSonic's specifications.
    i. Normal wear and tear.
    j. Any other cause which does not relate to a product defect.
3. Removal, installation, one way transportation, insurance, and set-up service charges.

How to get service:

1. For information about receiving service under warranty, contact ViewSonic Customer Support (Please refer to Customer Support page). You will need to provide your product's serial number.
2. To obtain warranty service, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.
3. Take or ship the product freight prepaid in the original container to an authorized ViewSonic service center or ViewSonic.
4. For additional information or the name of the nearest ViewSonic service center, contact ViewSonic.

Limitation of implied warranties:

There are no warranties, express or implied, which extend beyond the description contained herein including the implied warranty of merchantability and fitness for a particular purpose.

Exclusion of damages:

ViewSonic's liability is limited to the cost of repair or replacement of the product. ViewSonic shall not be liable for:

1. Damage to other property caused by any defects in the product, damages based upon inconvenience, loss of use of the product, loss of time, loss of profits, loss of business opportunity, loss of goodwill, interference with business relationships, or other commercial loss, even if advised of the possibility of such damages.
2. Any other damages, whether incidental, consequential or otherwise.
3. Any claim against the customer by any other party.
4. Repair or attempted repair by anyone not authorized by ViewSonic.

Effect of state law:

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on implied warranties and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

Sales outside the U.S.A. and Canada:

For warranty information and service on ViewSonic products sold outside of the U.S.A. and Canada, contact ViewSonic or your local ViewSonic dealer.
The warranty period for this product in mainland China (Hong Kong, Macao and Taiwan Excluded) is subject to the terms and conditions of the Maintenance Guarantee Card.
For users in Europe and Russia, full details of warranty provided can be found in www.viewsoniceurope.com under Support/Warranty Information.

Projector Warranty Term Template In UG
VSC_TEMP_2005

Mexico Limited Warranty

ViewSonic® Projector

What the warranty covers:
ViewSonic warrants its products to be free from defects in material and workmanship, under normal use, during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, ViewSonic will, at its sole option, repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components & accessories.

How long the warranty is effective:
3 years for all parts excluding the lamp, 3 years for labor, 1 year for the original lamp from the date of the first consumer purchase.
Lamp warranty subject to terms and conditions, verification and approval. Applies to manufacturer's installed lamp only.
All accessory lamps purchased separately are warranted for 90 days.

Who the warranty protects:
This warranty is valid only for the first consumer purchaser.

What the warranty does not cover:
1. Any product on which the serial number has been defaced, modified or removed.
2. Damage, deterioration or malfunction resulting from:
   a. Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, unauthorized attempted repair, or failure to follow instructions supplied with the product.
   b. Any damage of the product due to shipment.
   c. Causes external to the product, such as electrical power fluctuations or failure.
   d. Use of supplies or parts not meeting ViewSonic's specifications.
   e. Normal wear and tear.
   f. Any other cause which does not relate to a product defect.
3. Any product exhibiting a condition commonly known as "image burn-in" which results when a static image is displayed on the product for an extended period of time.
4. Removal, installation, insurance, and set-up service charges.

How to get service:
For information about receiving service under warranty, contact ViewSonic Customer Support (Please refer to the attached Customer Support page). You will need to provide your product's serial number, so please record the product information in the space provided below on your purchase for your future use. Please retain your receipt of proof of purchase to support your warranty claim.
For Your Records
Product Name: _____ Model Number: _____
Document Number: _____ Serial Number: _____
Purchase Date: _____ Extended Warranty Purchase? _____ (Y/N)
If so, what date does warranty expire? _____

1. To obtain warranty service, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.
2. Take or ship the product in the original container packaging to an authorized ViewSonic service center.
3. Round trip transportation costs for in-warranty products will be paid by ViewSonic.

Limitation of implied warranties:
There are no warranties, express or implied, which extend beyond the description contained herein including the implied warranty of merchantability and fitness for a particular purpose.

Exclusion of damages:
ViewSonic's liability is limited to the cost of repair or replacement of the product. ViewSonic shall not be liable for:
1. Damage to other property caused by any defects in the product, damages based upon inconvenience, loss of use of the product, loss of time, loss of profits, loss of business opportunity, loss of goodwill, interference with business relationships, or other commercial loss, even if advised of the possibility of such damages.
2. Any other damages, whether incidental, consequential or otherwise.
3. Any claim against the customer by any other party.
4. Repair or attempted repair by anyone not authorized by ViewSonic.

<table>
<tr><th colspan="2">Contact Information for Sales & Authorized Service (Centro Autorizado de Servicio) within Mexico:</th></tr>
<tr><td colspan="2">Name, address, of manufacturer and importers:
México, Av. de la Palma #8 Piso 2 Despacho 203, Corporativo Interpalmas,
Col. San Fernando Huixquilucan, Estado de México
Tel: (55) 3605-1099 http://www.viewsonic.com/la/soporte/index.htm</td></tr>
<tr><td colspan="2">NÚMERO GRATIS DE ASISTENCIA TÉCNICA PARA TODO MÉXICO: 001.866.823.2004</td></tr>
<tr><td>Hermosillo:
Distribuciones y Servicios Computacionales SA de CV.
Calle Juarez 284 local 2
Col. Bugambilias C.P: 83140
Tel: 01-66-22-14-9005
E-Mail: disc2@hmo.megared.net.mx</td><td>Villahermosa:
Compumantenimietnos Garantizados, S.A. de C.V.
AV. GREGORIO MENDEZ #1504
COL, FLORIDA C.P. 86040
Tel: 01 (993) 3 52 00 47 / 3522074 / 3 52 20 09
E-Mail: compumantenimientos@prodigy.net.mx</td></tr>
<tr><td>Puebla, Pue. (Matriz):
RENTA Y DATOS, S.A. DE C.V. Domicilio:
29 SUR 721 COL. LA PAZ
72160 PUEBLA, PUE.
Tel: 01(52).222.891.55.77 CON 10 LINEAS
E-Mail: datos@puebla.megared.net.mx</td><td>Veracruz, Ver.:
CONEXION Y DESARROLLO, S.A DE C.V. Av. Americas # 419
ENTRE PINZÓN Y ALVARADO
Fracc. Reforma C.P. 91919
Tel: 01-22-91-00-31-67
E-Mail: gacosta@qplus.com.mx</td></tr>
<tr><td>Chihuahua
Soluciones Globales en Computación
C. Magisterio # 3321 Col. Magisterial
Chihuahua, Chih.
Tel: 4136954
E-Mail: Cefeo@soluglobales.com</td><td>Cuernavaca
Compusupport de Cuernavaca SA de CV
Francisco Leyva # 178 Col. Miguel Hidalgo
C.P. 62040, Cuernavaca Morelos
Tel: 01 777 3180579 / 01 777 3124014
E-Mail: aquevedo@compusupportcva.com</td></tr>
<tr><td>Distrito Federal:
QPLUS, S.A. de C.V.
Av. Coyoacán 931
Col. Del Valle 03100, México, D.F.
Tel: 01(52)55-50-00-27-35
E-Mail : gacosta@qplus.com.mx</td><td>Guadalajara, Jal.:
SERVICRECE, S.A. de C.V.
Av. Niños Héroes # 2281
Col. Arcos Sur, Sector Juárez
44170, Guadalajara, Jalisco
Tel: 01(52)33-36-15-15-43
E-Mail: mmiranda@servicrece.com</td></tr>
<tr><td>Guerrero Acapulco
GS Computación (Grupo Sesicomp)
Progreso #6-A, Colo Centro
39300 Acapulco, Guerrero
Tel: 744-48-32627</td><td>Monterrey:
Global Product Services
Mar Caribe # 1987, Esquina con Golfo Pérsico
Fracc. Bernardo Reyes, CP 64280
Monterrey N.L. México
Tel: 8129-5103
E-Mail: aydeem@gps1.com.mx</td></tr>
<tr><td>MERIDA:
ELECTROSER
Av Reforma No. 403Gx39 y 41
Mérida, Yucatán, México CP97000
Tel: (52) 999-925-1916
E-Mail: rrrb@sureste.com</td><td>Oaxaca, Oax.:
CENTRO DE DISTRIBUCION Y
SERVICIO, S.A. de C.V.
Murguía # 708 P.A., Col. Centro, 68000, Oaxaca
Tel: 01(52)95-15-15-22-22
Fax: 01(52)95-15-13-67-00
E-Mail. gpotai2001@hotmail.com</td></tr>
<tr><td>Tijuana:
STD
Av Ferrocarril Sonora #3780 L-C
Col 20 de Noviembre
Tijuana, Mexico</td><td>FOR USA SUPPORT:
ViewSonic Corporation
14035 Pipeline Ave. Chino, CA 91710, USA
Tel: 800-688-6688 (English); 866-323-8056 (Spanish);
E-Mail: http://www.viewsonic.com</td></tr>
</table>

Projector Mexico Warranty Term Template In UG
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